



SHELL STAMINA[®] GREASE HDS

High performance heavy duty synthetic diurea grease

Product Description

Shell Stamina Grease HDS is specially formulated R & O polyurea greases containing a synthetic base fluid and high performance corrosion and oxidation inhibitors. Shell Stamina Grease HDS also contains carefully selected extreme pressure additives and is especially suitable for lubrication of heavy-duty, slow moving plain and rolling element bearings operating in the severe environments found in the steel, paper and chemical industry.

Shell Stamina Grease HDS is suitable for use over the temperature range -22°F to 350°F (even up to transient temperatures of 400°F)

Applications

Shell Stamina Grease HDS is suitable for the lubrication bearings when high or low temperatures are expected. Shell Stamina Grease HDS 1 can be used in heavy-duty, slow moving plain and rolling element bearings operating in the severe environments such as bearings in the dry end of a paper mill. Due to its resistance to oxidation, it is also suited for applications where the bearing is sealed for life.

- heavy-duty slow moving plain and rolling element bearings operating in the severe environments,
- sealed for life systems
- concaster bearings
- paper mill bearings (dry end)
- low and high temperature applications

Features/Benefits

- excellent oxidation life helping to reduce grease consumption
- excellent antiwear helping to reduce maintenance costs
- excellent water resistance and corrosion protection
- lead and nitrite free eliminating health and safety concerns due to those additives

OEM Listings

- Danieli Listing Code 21
- California Pellet Mills (roller bearings under high load and temperature conditions)
- FLSmidth Group (high temperature grease applications)

Product Maintenance

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided as excessive heat buildup can result. Periodic relubrication via grease gun or centralized system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule.

Typical Properties of Shell Stamina Grease HDS

	Test Method	
Product Code 12 – 400 g tubes 180 kg (396 lb) drum		7123212400 5067971
NLGI Grade		1.5
Appearance		Light Brown
Base Fluid Type		PAO/Ester
Soap Type		Diurea
Viscosity @ 40° C, cSt	D 445	460
Penetration, dmm Worked, 60X	D 217	280
Dropping Point, °F	IP 132	500
Pumpability, long distance		Good

Handling & Safety Information

For information on the safe handling and use of these products, refer to their Material Safety Data Sheets at <http://www.equivashellmsds.com>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.